

What is claimed is:

1. An inkjet recording ink comprising:
an aqueous medium comprising at least one water-miscible organic solvent; and
5 at least one dye dissolved and/or dispersed in the aqueous medium, wherein said at least one dye has a maximum absorption spectrum λ_{max} at a wavelength range of from 390 nm to 470 nm and a $I(\lambda_{max} + 70 \text{ nm})/I(\lambda_{max})$ ratio of not greater than 0.4, in which $I(\lambda_{max})$ is the absorbance at λ_{max} and $I(\lambda_{max} + 70 \text{ nm})$ 10 is the absorbance at $\lambda_{max} + 70 \text{ nm}$,
wherein the inkjet recording ink exhibits an accelerated fading rate constant of not greater than $5.0 \times 10^{-2} [\text{hour}^{-1}]$, in which the accelerated fading rate constant is determined by printing the ink on a reflection medium to prepare a printed 15 matter, measuring a reflection density through a status A filter to define an initial value of reflection density (D_B) in the yellow region by one point between 0.90 and 1.10, and acceleratedly fading the printed matter by using an ozone fading tester capable of always generating 5 ppm of ozone, so as to 20 define the fading rate constant from the time required until the reflection density reaches 80% of the initial value; and
said at least one water-miscible organic solvent satisfies one of the following requirements 1) and 2):
1) all of said at least one water-miscible organic solvent
25 has a solubility of less than 10 (g/100g) in the dye at 25°C;

2) at least one of said at least one water-miscible organic solvent has a solubility of not smaller than 10. (g/100 g) in the dye at 25°C, with the proviso that the sum of the weight of the water-miscible organic solvent having a solubility of
5 not smaller than 10 (g/100 g) in the dye at 25°C is not greater than 10% of the weight of the ink.

2. The inkjet recording ink as defined in Claim 1, wherein
the dye exhibits a λ_{max} at a wavelength range of from 390 nm
10 to 470 nm and a $I(\lambda_{max} + 70 \text{ nm})/I(\lambda_{max})$ ratio of not greater than 0.2 in which $I(\lambda_{max})$ is the absorbance at λ_{max} and $I(\lambda_{max} + 70 \text{ nm})$ is the absorbance at $\lambda_{max} + 70 \text{ nm}$.

3. The inkjet recording ink as defined in Claim 1, wherein
15 the dye has an oxidation potential of more positive than 1.0 V (vs SCE).

4. The inkjet recording ink as defined in Claim 2, wherein
the dye has an oxidation potential of more positive than 1.0
20 V (vs SCE).

5. The inkjet recording ink as defined in Claim 1, wherein
the total amount of said at least one water-miscible organic solvent is 1 to 60 weight% based on the ink.

6. An inkjet recording ink comprising:
an aqueous medium comprising at least one water-miscible
organic solvent; and
at least one dye dissolved and/or dispersed in the aqueous
5 medium,

wherein the dye is a compound represented by formula (1)
having a λ_{max} at a wavelength range of from 390 nm to 470 nm,



in which A and B each independently represents a
10 heterocyclic group which may be substituted; and
said at least one water-miscible organic solvent
satisfies one of the following requirements 1) and 2):

- 1) all of said at least one water-miscible organic solvent
has a solubility of less than 10 (g/100g) in the dye at 25°C;
- 15 2) at least one of said at least one water-miscible organic
solvent has a solubility of not smaller than 10 (g/100 g) in
the dye at 25°C, with the proviso that the sum of the weight
of the water-miscible organic solvent having a solubility of
not smaller than 10 (g/100 g) in the dye at 25°C is not greater
20 than 10% of the weight of the ink.

7. The inkjet recording ink as defined in Claim 1, wherein
the number of the water-miscible organic solvents having a
solubility of not smaller than 10 (g/100 g) in the dye at 25°C
25 is at least two in the case 2).

8. The inkjet recording ink as defined in Claim 6,
comprising at least two water-miscible organic solvents having
a solubility of not smaller than 10 (g/100 g) in the dye at
5 25°C in the case 2).

9. The inkjet recording ink as defined in Claim 1, wherein
the amount of said at least one dye is 0.2 to 20 weight% based
on the ink.

10

10. The inkjet recording ink as defined in Claim 6,
wherein the amount of said at least one dye is 0.2 to 20 weight%
based on the ink.

15